

**STATE OF IDAHO  
DEPARTMENT OF LANDS  
REQUEST FOR QUOTATIONS**

**PRECOMMERCIAL THINNING, CULL REMOVAL,  
SLASHING, AND PRUNING CONTRACT**

**Stand Data Sheets for Contract No. 10-204**

The attached stand data is for information only and is not part of the contract. Potential contractors should make their own estimates as to the quantity of work required on each contract. Additional information about stand conditions and access is available from the Area office and contact person listed in the project descriptions.

## **PRECOMMERCIAL THINNING AND PRUNING**

### **PROJECT SUPPLEMENT**

**SUPERVISORY AREA:** Priest Lake

**PROJECT NAME:** Cool Mouth Thin and Prune

**PROJECT NUMBER:** 10-492-112-10

**PROJECT AREA:** 560 Acres

**ENDOWMENT:** 100% Public Schools

**PROJECT LOCATION:** See Project Description

#### **1. AREA HISTORY:**

Units 1, 2 and 3 were harvested with the Squaw Ridge OSR Timber Sale (TS-1-2882) approximately 15 years ago using the overstory removal method. These units had openings that were planted with white pine in 1995.

Unit 4 includes lands that were exchanged from Diamond Match Timber Company to the Idaho Department of Lands. Records of the harvesting, site preparation or planting are not available, but indications show that this unit was clearcut approximately 25 years ago. The unit appears to have been broadcast burned followed by planting of mostly Douglas-fir.

Unit 5 includes lands that were exchanged from Diamond Match Timber Company to the Idaho Department of Lands. Records of the harvest, site preparation or planting are not available, but indications show that this unit was clearcut, broadcast burn, and planted approximately 18 years ago.

Unit 6 was seedtree harvested with the Wolf Track Timber Sale (TSC-2152) in the late 1970's and broadcast burned in 1983. The unit appears to be naturally regenerated.

Unit 7 was harvested with the Wolf Track Timber Sale (TSC-2152) in the late 1970's and broadcast burned in 1983 followed up with planting of Douglas-fir and white pine.

Unit 8 was harvested with the Wolf Track Timber Sale (TSC-2152) in the late 1970's, broadcast burned in 1983, then planted with ponderosa pine.

Unit 9 includes the lands that were exchanged from Diamond Match Timber Company to the Idaho Department of Lands in the mid 1980's. Records of Diamond Match harvesting are not available, but indications show that these

units were clearcut harvested in the 1970's with some pockets of residual overstory left. This unit does appear to be naturally regenerated.

Units 10, 11 and 12 were harvested in 1994 with the Chase Plumbago Timber Sale (TS-10-2812) using the shelterwood method. Then a subsequent harvest entry occurred in 2008 with the Plumbag OSR Timber Sale (SS-10-0166) removing most of the overstory. The existing regeneration came in naturally.

Units 13, 14 and 15 were harvested in 1994 with the Waters Creek Timber Sale (TS-10-2789), using the shelterwood harvesting method. Then a subsequent harvest entry occurred in 2003 with the Easy Water Timber Sale (SS-1-0153) removing most of the mature overstory trees. All the regeneration occurred naturally.

## 2. **SOILS:**

Several soil types are present. Soil Types by unit are as follows:

Units 1, 2, 3 and 4	Treble gravelly sandy loam
Units 5, 6, 7, 8 and 9	Priestlake gravelly sandy loam
Units 10, 11 and 12	Bonner silt loam
Units 13, 14 and 15	Hun gravelly silt loam

## 3. **SLOPES:**

Slopes by unit are as follows:

Units 10, 11 and 12	0-25%
Units 1, 2, 3, 4, 5, 6, 8, 9, 13 and 15	25-35%
Units 7 and 14	35-55%

## 4. **ASPECT:**

Aspects by unit are as follows:

Units 10 and 12	Flat
Units 9, 11 and 14	North
Units 1, 2, 3, 13 and 15	West
Units 4, 5, 6, 7, 8,	South

## 5. **HABITAT TYPES:**

Habitat types by unit are as follows:

Unit 8	ABGF/CLUN with inclusions of TSHE/CLUN
All other units	TSHE/CLUN

**6. UNIT DATA****Dominants**

<b>Unit No.</b>	<b>Total Stems Acre</b>	<b>Prunable WP Acre</b>	<b>Species Comp. Percent</b>	<b>Stand Ave. DBH</b>	<b>Ave. Age</b>	<b>Ave. DBH</b>	<b>Ave. Ht.</b>
1	3,058	125	WH(49), CE(26), HW(11), GF(8), WP(5), DF(1)	1.5"	18	2.7"	14'
2	6,159	135	WH(68), CE(20), GF(9), WP(3)	1.6"	26	4.6"	29'
3	4,354	183	GF(34), WH(27), CE(23), HW(8), WP(5), DF(2), SF(1)	1.6"	35	6.6"	35'
4	2,225	N/A	CE(42), GF(21), DF(16), HW(9), WL(8), WH(3), WP(1)	1.5"	18	4.4"	26'
5	2,200	154	CE(42), GF(15), DF(9), WP(8), HW(8), WH(6), ES(7), WL(3), LP(2)	1.9"	20	4.7"	24'
6	2,567	N/A	GF(37), CE(30), HW(16), WP(4), DF(4), WH(3), LP(3), PP(1), ES(1), WL(1)	2.0"	24	5.6"	36'
7	1,096	173	DF(25), HW(24), WP(21), CE(19), GF(9), WL(2)	2.1"	22	6.1"	36'
8	1,150	N/A	DF(22), PP(19), HW(17), GF(17), CE(11), WH(7), LP(4), WL(2), WP(1)	2.2"	21	5.7"	29'
9	4,483	107	WH(57), CE(21), HW(15), WP(4), GF(1), ES(1), DF(1)	1.6"	24	4.5"	28'
10	3,107	105	GF(52), WH(24), CE(10), DF(7), WP(5), SF(1), HW(1)	1.4"	18	2.7"	14'
11	4,402	113	WH(46), GF(44), WP(3), DF(2), HW(2), LP(1), ES(1), WL(1)	1.3"	23	2.9"	18'
12	4,212	174	GF(50), WH(22), DF(12), WP(5), CE(4), WL(4), LP(2), HW(1)	1.2"	18	2.7"	18'
13	4,400	N/A	DF(33), CE(32), WH(14), GF(10), WL(8), WP(2), ES(1)	1.5"	21	2.9"	19'
14	6,365	N/A	WH(25), GF(24), CE(23), DF(13), HW(10), WL(4), WP(1)	1.2"	18	2.5"	18'
15	3,625	125	DF(62), CE(14), GF(10), WL(5), HW(4), WP(3), WH(1), LP(1)	1.1"	21	2.8"	20'

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 1
2. Unit Acreage: 66 acres
3. Average Stand Age of Dominants: 14 yrs.
4. Average Stand Height: cut trees: 9 feet  
reserve trees: 19 feet
5. Average Stand DBH: cut trees: 0.8 inch  
reserve trees: 2.8 inches
6. Total Trees per Acre: 4240
7. Species Composition before Treatment:  
WP 8%, PP 2%, DF 42%, WL 15%, GF 12%, WH 4%, CE 4%, LP 13%
8. Trees per Acre to be cut: 3804
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
WP 18%, PP 6%, DF 32%, WL 36%, GF 3%, LP 5%
11. Crop Trees 6 Inches DBH and Larger:  $\leq 1\%$
12. Average Radial Growth Past 10 Years: 0.4 inch
13. Aspect of Project Area: South and west
14. Terrain: Slope Range: 0% - 40% Average: 5%
15. Soil Type: Pend Oreille-Hoodoo silt loam, 0 to 30 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Grand fir/queencup beadlelily (ABGR/CLUN)(520)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 2
2. Unit Acreage: 2 acres
3. Average Stand Age of Dominants: 17 yrs.
4. Average Stand Height: cut trees: 12 feet  
reserve trees: 20 feet
5. Average Stand DBH: cut trees: 1.6 inches  
reserve trees: 3.5 inches
6. Total Trees per Acre: 3500
7. Species Composition before Treatment:  
WP 11%, DF 25%, WL 32%, GF 4%, CE 25%, LP 3%
8. Trees per Acre to be cut: 3064
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
DF 38%, WL 54%, GF 8%
11. Crop Trees 6 Inches DBH and Larger: 0%
12. Average Radial Growth Past 10 Years: 0.5 inch
13. Aspect of Project Area: West
14. Terrain: Slope Range: 0% - 10% Average: 5%
15. Soil Type: Sagle silt loam, 5 to 30 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western red cedar/queencup beadleily (THPL/CLUN)(530)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 3
2. Unit Acreage: 11 acres
3. Average Stand Age of Dominants: 18 yrs.
4. Average Stand Height: cut trees: 12 feet  
reserve trees: 19 feet
5. Average Stand DBH: cut trees: 1.4 inches  
reserve trees: 4.0 inches
6. Total Trees per Acre: 3000
7. Species Composition before Treatment:  
PP 19%, DF 56%, WL 13%, GF 2%, CE 10%
8. Trees per Acre to be cut: 2564
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
PP 50%, DF 44%, CE 6%
11. Crop Trees 6 Inches DBH and Larger:  $\leq 1\%$
12. Average Radial Growth Past 10 Years: 0.6 inch
13. Aspect of Project Area: West
14. Terrain: Slope Range: 5% - 40% Average: 10%
15. Soil Type: predominately Sagle silt loam, 5 to 30 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western red cedar/queencup beadleily (THPL/CLUN)(530)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 4
2. Unit Acreage: 3 acres
3. Average Stand Age of Dominants: 18 yrs.
4. Average Stand Height: cut trees: 12 feet  
reserve trees: 19 feet
5. Average Stand DBH: cut trees: 1.2 inches  
reserve trees: 2.0 inches
6. Total Trees per Acre: 4500
7. Species Composition before Treatment:  
DF 17%, WL 44%, GF 8%, WH 3%, CE 28%
8. Trees per Acre to be cut: 4064
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
WL 67%, GF 11%, CE 22%
11. Crop Trees 6 Inches DBH and Larger:  $\leq 1\%$
12. Average Radial Growth Past 10 Years: 0.4 inch
13. Aspect of Project Area: Northwest
14. Terrain: Slope Range: 5% - 40% Average: 15%
15. Soil Type: Pend Oreille silt loam, 5 to 45 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western red cedar/queencup beadleily (THPL/CLUN)(530)



PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 5
2. Unit Acreage: 30 acres
3. Average Stand Age of Dominants: 19 yrs.
4. Average Stand Height: cut trees: 11 feet  
reserve trees: 17 feet
5. Average Stand DBH: cut trees: 1.3 inches  
reserve trees: 2.2 inches
6. Total Trees per Acre: 2796
7. Species Composition before Treatment:  
WP 3%, PP 7%, DF 63%, WL 15%, GF 11%, WH 1%
8. Trees per Acre to be cut: 2360
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
WP 9%, PP 12%, DF 53%, WL 24%, GF 2%
11. Crop Trees 6 Inches DBH and Larger:  $\leq 1\%$
12. Average Radial Growth Past 10 Years: 0.6 inch
13. Aspect of Project Area: Northwest
14. Terrain: Slope Range: 0% - 45% Average: 30%
15. Soil Type: Pend Oreille silt loam, 5 to 45 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western red cedar/queencup beadleily (THPL/CLUN)(530)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 6
2. Unit Acreage: 33 acres
3. Average Stand Age of Dominants: 18 yrs.
4. Average Stand Height: cut trees: 10 feet  
reserve trees: 15 feet
5. Average Stand DBH: cut trees: 1.1 inches  
reserve trees: 1.9 inches
6. Total Trees per Acre: 2827
7. Species Composition before Treatment:  
WP 1%, DF 35%, WL 16%, GF 16%, WH 1%, CE 31%
8. Trees per Acre to be cut: 2391
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
DF 49%, WL 37%, GF 7%, CE 7%
11. Crop Trees 6 Inches DBH and Larger:  $\leq 1\%$
12. Average Radial Growth Past 10 Years: 0.5 inch
13. Aspect of Project Area: North
14. Terrain: Slope Range: 5% - 40% Average: 30%
15. Soil Type: Pend Oreille silt loam, 5 to 45 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western red cedar/queencup beadlily (THPL/CLUN)(530)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Butler Thin  
Project No.: 20-729-112-10

1. Unit: 7
2. Unit Acreage: 3 acres
3. Average Stand Age of Dominants: 15 yrs.
4. Average Stand Height: cut trees: 8 feet  
reserve trees: 19 feet
5. Average Stand DBH: cut trees: 1.1 inches  
reserve trees: 2.3 inches
6. Total Trees per Acre: 5000
7. Species Composition before Treatment:  
WP 8%, DF 35%, WL 28%, GF 4%, WH 8%, CE 15%, LP 2%
8. Trees per Acre to be cut: 4564
9. Trees per Acre to be left: 436
10. Projected Species Composition Following Treatment:  
WP 20%, DF 33%, WL 40%, CE 7%
11. Crop Trees 6 Inches DBH and Larger: 0%
12. Average Radial Growth Past 10 Years: 0.5 inch
13. Aspect of Project Area: North
14. Terrain: Slope Range: 10% - 40% Average: 35%
15. Soil Type: Pend Oreille silt loam, 5 to 45 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western red cedar/queencup beadleily (THPL/CLUN)(530)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
Moose Run Thinning  
Project No.: 20-733-112-10

1. Endowment: Public School
2. Project Acreage: 34 Acres
3. Average Stand Age of Dominants: 17 yrs.
4. Average Stand Height: cut trees: 7 feet  
reserve trees: 21 feet
5. Average Stand DBH: cut trees: 1.1 inches  
reserve trees: 3.7 inches
6. Total Trees per Acre: 3217
7. Species Composition before Treatment:  
  
GF 32%, DF 21%, CE 20%, ES 12%, HW 5%, WL 5%, WP 4%, WH 1%
8. Trees per Acre to be cut: 2042
9. Trees per Acre to be left: 436 (crop trees)
10. Projected Species Composition Following Treatment:  
  
WL 50%, WP 20%, DF 10%, GF 10%, ES 10%
11. Percentage of Crop Trees 6 Inches DBH and larger:  $\leq 1$
12. Average Radial Growth Past 10 Years: 0.7 inches
13. Aspect of Project Area: N - NE
14. Terrain: Slope Range: 0% - 35% Average: 20%
15. Soil Type: Vay gravelly silt loam
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: Western hemlock/queencup beadlelily (TSHE/CLUN) (570)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
2010 Hoodoo Thin  
Project No.: 20-735-112-10

1. Unit: B 2
2. Project Acreage: 12 acres
3. Average Stand Age of Dominants: 10 yrs.
4. Average Stand Height: cut trees: 12 feet  
reserve trees: 12 feet
5. Average Stand DBH: cut trees: 0.8 inches  
reserve trees: 1.2 inches
6. Total Trees per Acre: 3950
7. Species Composition before Treatment:  
PP 4%, DF 3%, WL 3%, LP 90%
8. Trees per Acre to be cut: 3300
9. Trees per Acre to be left: 650
10. Projected Species Composition Following Treatment:  
LP 80%, PP 15%, WL3%, DF 2%
11. Percentage of Crop Trees 6 Inches DBH and larger: <1%
12. Average Radial Growth Past 10 Years: .5 inches
13. Aspect of Project Area: south
14. Terrain: Slope Range: 0% - 5% Average: 1%
15. Soil Type: Rathdrum-Bonner silt loams, 0 to 8 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: predominantly Douglas-fir/pine grass (PSME/CARU)(320)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
2010 Hoodoo Thin  
Project No.: 20-735-112-10

1. Unit: C 1
2. Project Acreage: 118 acres
3. Average Stand Age of Dominants: 22 yrs.
4. Average Stand Height: cut trees: 10 feet  
reserve trees: 17 feet
5. Average Stand DBH: cut trees: 0.9 inches  
reserve trees: 2.0 inches
6. Total Trees per Acre: 2082
7. Species Composition before Treatment:  
WP 5%, CE, 5%, DF 15%, WL 15%, GF, 40%, LP 20%
8. Trees per Acre to be cut: 1650
9. Trees per Acre to be left: 432
10. Projected Species Composition Following Treatment:  
WL 50%, WP, 25%, PP 10%, DF 10%, GF 5%
11. Percentage of Crop Trees 6 Inches DBH and larger: 5%
12. Average Radial Growth Past 10 Years: 0.5 inches
13. Aspect of Project Area: N-NE
14. Terrain: Slope Range: 0% - 10% Average: 3%
15. Soil Type: Rathdrum-Bonner silt loams, 0 to 8 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: predominantly grand fir/queencup beادلily (ABGR/CLUN)(520)

PROJECT SUPPLEMENT  
FOREST RESOURCE DATA SHEET  
2010 Hoodoo Thin  
Project No.: 20-735-112-10

1. Unit: FG 1
2. Project Acreage: 51 acres
3. Average Stand Age of Dominants: 22 yrs.
4. Average Stand Height: cut trees: 31 feet  
reserve trees: 41 feet
5. Average Stand DBH: cut trees: 3.1 inches  
reserve trees: 4.7 inches
6. Total Trees per Acre: 1167
7. Species Composition before Treatment:  
WP 5%, PP, 5%, DF 9%, WL 17%, GF, 33%, LP 1%, HW 30%
8. Trees per Acre to be cut: 750
9. Trees per Acre to be left: 417
10. Projected Species Composition Following Treatment:  
WL 50%, WP, 25%, PP 10%, DF 10%, GF 5%
11. Percentage of Crop Trees 6 Inches DBH and larger: 5%
12. Average Radial Growth Past 10 Years: 1.0 inches
13. Aspect of Project Area: N-NE
14. Terrain: Slope Range: 0% - 50% Average: 39%
15. Soil Type: Vay-Ardtoo gravelly sandy loam, 35 to 65 percent slopes
16. Insect Activity: None noted
17. Disease Conditions: Endemic
18. Habitat Type: predominantly grand fir/queencup beadlelily (ABGR/CLUN)(520)

**FOREST RESOURCE DATA SHEET**  
**Kootenai Orchard PCT**  
**PROJECT NO. 21-088-112-10**

1. Endowment: Public School- 92%  
University of Idaho- 8%
2. Project acreage: 240 acres
3. Average stand age of dominants: 10 years
4. Average stand height:  
Unit 1: 6.9 feet  
Unit 2: 7.0 feet  
Unit 3: 6.0 feet
5. Average stand DBH:  
Unit 1: 0.92 inches  
Unit 2: 1.13  
Unit 3: 1.29
6. Species composition of thinning unit before treatment:  
Unit 1: CE(30.2%), GF(21.5%), DF(17.4%), WH(16.9%), WP(9.9%), WL(1.7%), HW(1.2%), ES(0.6%), LP(0.6%)  
Unit 2: DF(38.0%), CE(24.1%), GF(17.1%), HW(9.0%), WH(4.1%), WL(3.7%), WP(3.3%), ES(0.4%), PP(0.4%)  
Unit 3: CE(42.9%), DF(22.5%), GF(15.1%), WH(11.3%), WP(4.9%), WL(1.9%), HW(0.8%), ES(0.5%)
7. Trees/acre to be cut in thinning  
Unit 1: 1473  
Unit 2: 1341  
Unit 3: 924
8. Trees/acre to be left in thinning units: 360 trees/acre.
9. Average 10 year radial growth: 0.5 inches
10. Aspect of project area: northeast, southeast
11. Slope of project area: 20% to 40% (avg. 30%).
12. Soil type: Pend Oreille-Treble-Caribouridge, ashy silt loam with bouldery with rock outcrops.
13. Habitat type: THSE/CLUN (Tsuga heterophylla / Clintonia uniflora)



## FOREST RESOURCE DATA SHEET

PROJECT NAME: Fall High Green Cull

PROJECT NUMBER: 21-090-108-10

1. Endowment: Public School (01), University of Idaho (08).
2. Project Acreage: Unit 1: 21 Acres  
Unit 2: 35 Acres  
Unit 3: 28 Acres
3. Average Stand Age: Unit 1: 45 yrs  
Unit 2: 15 yrs  
Unit 3: 15 yrs.
4. Average Stand Height: Unit 1: 50 ft.  
Unit 2: 6 ft.  
Unit 3: 6 ft.
5. Average Stand DBH: Unit 1: 9 inches  
Unit 2: 1 in.  
Unit 3: 3 in.
6. Species Composition: (includes trees less than 10 feet in height)  
Unit 2: CE(39.1%), DF(21.7%), WH(17.4%), WP(13%), GF(4.3%), HW(4.3%)  
Unit 3: DF(40.7%), GF(29.1%), CE(12.8%), WL(10.5%), WP(05.8%), ES(01.1)
7. Trees/Acre to be Cut: Unit 1: 221  
Unit 2: 638  
Unit 3: 565
8. Average 10 Year Radial Growth: NA
9. Aspect of Project Area: southeast, southwest
10. Slope of Project Area: Average 20%
11. Soil Type: Pend Oreille Idamont
12. Habitat Type: TSHE/CLUN/CLUN

**PROJECT SUPPLEMENT**

**St. Joe Town Thin & Prune 2010  
FM #30-579-112-10**

		<u>Project Unit 1</u>	<u>Project Unit 2</u>	<u>Project Unit 3</u>
1.	Project Acreage:	87	49	60
2.	Treatment Type:	Thin	Thin	Prune
3.	Stand Age (Years):	21	19	20
4.	Average Stand Height:	22'	25'	NA
5.	Average Crop Stem DBH:	3.2"	2.1"	NA
6.	Average Cut Stem DBH:	1.8"	1.8"	NA
7.	Total Trees/Acre:	5,314	1,232	NA
8.	Trees/Acre to Treat:	4,954	872	153
9.	Percentage of Treatment Size Trees ≥ 6" DBH:	3	2	NA
10.	Species Composition (%):	GF(37);WL(26); DF(18);WH(12); LP(3);WP(2); CE(2)	DF(35);WL(25); WH(14);CE(13); GF(9);WP(4)	NA
11.	Average 10 Year Radial Growth (Crop Trees):	0.95"	1.25"	1.5"
12.	Unit Aspect:	W	SE	S
13.	Average Slope:	35%	35%	35%
14.	Soil Type:	Silt Loam	Silt Loam	Silt Loam
15.	Insect Activity:	Minimal	Minimal	Minimal
16.	Disease Conditions:	Minimal	Minimal	Minimal
17.	Habitat Type:	THSE/CLUN	THSE/CLUN	THSE/CLUN

	<u><b>Project Unit 4</b></u>	<u><b>Project Unit 5</b></u>	<u><b>Project Unit 6</b></u>
1. Project Acreage:	30	37	41
2. Treatment Type:	Thin & Prune	Thin & Prune	Thin & Prune
3. Stand Age:	19	17	19
4. Average Stand Height:	10'	10'	16'
5. Average Crop Stem DBH:	4.1"	2.5"	2.0"
6. Average Cut Stem DBH:	1.3"	1.3"	1.5"
7. Total Trees/Acre:	5,036	4,466	6,720
8. Trees/Acre to Treat:	4,514 – Thin 300 – Prune	4,063 – Thin 100 – Prune	6,310 – Thin 50 – Prune
9. Percentage of Treatment Size Trees $\geq$ 6" DBH:	1	2	1
10. Species Composition (%):	WH(56);GF(16); CE(13);DF(8);WP(6); HW(1)	WH(33);WL(20); LP(15);WP(11);DF(8); GF(7);CE(5)HW(1)	GF(64);DF(16); CE(12);WH(4); WL(3);WP(1)
11. Average 10 Year Radial Growth (Crop Trees):	1.0"	0.8"	1.0"
12. Unit Aspect:	N	N	N
13. Average Slope:	50%	30%	30%
14. Soil Type:	Gravelly Silt Loam	Gravelly Silt Loam	Silt Loam
15. Insect Activity:	Minimal	Minimal	Minimal
16. Disease Conditions:	Minimal	Minimal	Minimal
17. Habitat Type:	THSE/CLUN	THSE/CLUN	THSE/CLUN

**ANTICIPATED START DATE:** July 1, 2010

**PROJECT SUPPLEMENT  
FM #30-580-112-10  
2010 Floodwood Thin and Prune**

	<u>Unit 1</u>	<u>Unit 2</u>
1. Project Acreage:	143	58
2. Treatment Type:	Thin	Thin
3. Stand Age (Years):	13	13
4. Average Stand Height:	19'	20'
5. Average Stand DBH:	3.0"	3.0"
6. Average Thinned DBH:	4.5"	4.5"
7. Total Trees/Acre:	4,140	5,875
8. Trees/Acre to Treat:	3,837	5,572
9. Acres to be Pruned:	0	0
10. Percentage of Treatment Size Trees $\geq$ 6" DBH:	5	5
11. Species Composition (%):	GF(73),CE(14) DF(7),WH(5),WL(1)	GF(50),CE(24) WH(17),DF(7),WP(2)
12. Average 10 Year Radial Growth:	1.4"	1.3"
13. Aspect of Project Area:	E	E
14. Slope:	10%-40%	10%-65%
15. Soil Type:	Garnet-Mica Schist	Garnet-Mica Schist
16. Insect Activity:	Light	Light
17. Disease Conditions:	Minimal	Minimal
18. Habitat Type:	THPL/ASCA	THPL/ASCA
19. Anticipated Problems:	None	None
20. Estimated Cost/Acre:	\$155.00	\$155.00
21. Estimated Unit Total:	\$22,165.00	\$8,990.00

**Project Supplement****2009 Floodwood PCT  
FM #30-555-112-09**

	<u>Unit 3</u>	<u>Unit 4</u>
1. Project Acreage:	63	655
2. Treatment Type:	Thin and Prune	Thin and Prune
3. Stand Age (Years):	20	18
4. Average Stand Height:	23'	18'
5. Average Stand DBH:	2.2"	1.4"
6. Average Thinned DBH:	3.5"	3.5"
7. Total Trees/Acre:	2,350	2,863
8. Trees/Acre to Treat:	1,990	2,503
9. Acres to be Pruned:	0	103
10. Percentage of Treatment Size Trees $\geq$ 6" DBH:	1	3
11. Species Composition (%):	GF(70),CE(22) DF(6), WL(2)	GF(58),CE(26),ES(11) DF(2),SAF(2),WP(1)
12. Average 10 Year Radial Growth:	1.5"	2.1
13. Aspect of Project Area:	E	S
14. Slope:	15%-45%	0%-40%
15. Soil Type:	Garnet-Mica Schist	Garnet-Mica Schist
16. Insect Activity:	Light	Light
17. Disease Conditions:	Minimal	Minimal
18. Habitat Type:	THPL/ASCA	THPL/ASCA
19. Anticipated Problems:	None	None
20. Estimated Cost/Acre:	\$155.00	\$155.00
21. Estimated Unit Total:	\$9,765.00	\$101,525.00

FOREST RESOURCE DATA SHEET  
Lower Canary Thinning (All Units)  
FM# 31-052-112-10

- |     |  |  |
|-----|--|--|
| 1.  | Endowment:   | Public Schools   |
| 2.  | Project Acreage:                                   | 102 Acres  |
| 3.  | Average Stand Age<br>of dominants:                 | 20 years   |
| 4.  | Average Stand Height:                              | 13.25 feet (10-15 foot range)  |
| 5.  | Average Stand DBH:                                 | 3 inches   |
| 6.  | Species Comp (%):                                  | ALL      GF(53)DF(21)CE(17)PP(7)WP(1)WL(1)<br>UNIT 1,2 GF(53)CE(21)DF(17)PP(7)WP(1)WL(1)<br>UNIT 3    GF(57)DF(37)PP(4)WP(1)WL(1)<br>UNIT 4,5 GF(51)DF(38)PP(5)CE(4)WP(1)WL(1) |
| 7.  | Trees/ Acre To be Cut:                             | 1,330  |
| 8.  | Trees/ Acre to be Left:                            | 320  |
| 9.  | Percentage of crop Trees<br>6 inch DBH and larger: | 14%<br>1% (18 TPA)   |
| 10. | Average Radial Growth<br>(Past ten ears):          |  |
| 11. | Aspect of project Area:                            | W-NW   |
| 12. | Terrain:   | 35% Average Slope  |
| 13. | Soil Type:   | Slit Loam  |
| 14. | Insect Activity:                                   | None   |
| 15. | Disease Conditions:                                | Misteltoe, Armillaria Ostoyac  |
| 16. | Habitat Type:                                      | ABGR/PHMA, PIPO/PHMA   |

## FOREST RESOURCE DATA SHEET

Beartrap Precommercial Thinning  
FIP #40-978-112-08

1. Project Acreage: 83
2. Stand Age: 26
3. Average Stand Height: 30'
4. Average Stand DBH: 2.23"
5. Trees/Acre Treatment Size: 3,278
6. Trees/Acre Below Treatment Size: 225
7. Total Trees/Acre: 3,503
8. Percentage of Treatment Size Trees 5" DBH and Larger: 6%
9. Species Composition: GF (44%), CE (30%), DF (21%), WL (4%), ES(1%)
10. Average Radial Growth Past 10 Years: 1.14"
11. Aspect of Project Area: West
12. Terrain: Moderate Slope : 25-50%, Average : 39%
13. Soil Type: Primarily granitic soils with a small area of schist and gneiss.
14. Insect Activity: None Noted
15. Disease Conditions: None Noted
16. Habitat Type: THPL/CLUN

## FOREST RESOURCE DATA SHEET

Feary Creek Thinning - Unit 1  
#40-0984-112-08

1. Endowment: Charitable Institute
2. Project Acreage: 25 Acres
3. Average Stand Age of Dominants: 17 Years
4. Average Stand Height: 32' for Dominants  
23' for Co-dominants
5. Average Stand DBH: 5.2" for Dominants  
3.5" for Co-dominants  
3.0" Average for Total Stand
6. Total Trees/Acre: > 2' - 3,357 Trees/Acre  
< 2' - 767 Trees/Acre
7. Percent Crop Trees > 6" DBH: 4%
8. Species Composition Before Treatment: GF (79%), CE (16%), WP (3%), DF(2%)
9. Projected Composition After Treatment: GF (60%), CE (24%), WP (8%), DF(8%)
10. Trees/Acre To Be Cut: 3,055 Trees/Acre
11. Trees/Acre To Be Left: 302 Trees/Acre
12. Average Radial Growth Past 10 Years: 1.7"
13. Aspect of Project Area: N - NW
14. Terrain: 0-45% Slope
15. Soil Type: Mica Schist
16. Insect Activity: None Observed
17. Disease Conditions: None Observed
18. Habitat Type: THPL/CLUN



## FOREST RESOURCE DATA SHEET

Feary Creek Thinning - Unit 2  
#40-0984-112-08

1. Endowment: Charitable Institute
2. Project Acreage: 50 Acres
3. Average Stand Age of Dominants: 21 Years
4. Average Stand Height: 38' for Dominants  
29' for Co-dominants
5. Average Stand DBH: 6.3" for Dominants  
4.6" for Co-dominants  
3.3" Average for Total Stand
6. Total Trees/Acre: > 2' - 3,451 Trees/Acre  
< 2' - 721 Trees/Acre
7. Percent Crop Trees > 6" DBH: 5%
8. Species Composition Before Treatment: GF (60%), CE (15%), DF (15%), WL (5%),  
WP (4%), PP (1%)
9. Projected Composition After Treatment: GF (40%), CE (20%), DF (20%), WL (10%)  
WP (8%), PP (2%)
10. Trees/Acre To Be Cut: 3,149 Trees/Acre
11. Trees/Acre To Be Left: 302 Trees/Acre
12. Average Radial Growth Past 10 Years: 1.9"
13. Aspect of Project Area: N - NE
14. Terrain: 0-45% Slope
15. Soil Type: Mica Schist
16. Insect Activity: None Observed
17. Disease Conditions: None Observed
18. Habitat Type: THPL/CLUN

1/14/2009

## Forest Resource Data Sheet

Thinning Name: Backside Angel PCT  
Project #: 40-1022-112-09

Project Acres: 144 acres

Stand Age: 18 years

Average Stand Height: 23 feet

Average Stand DBH: 4 inches

Trees\Acre Treatment Size: 4586 trees/acre

Trees\Acre Below Treatment Size: 718 trees/acre

Total Trees\Acre: 5409 trees/acre

Percentage of 6" DBH and Larger: 2%

Species Composition:

GF	53.9%
DF	26.1%
C	17.6%
L	1.7%
PP	0.2%
WP	0.6%
S	0.0%
AF	0.0%
Total	100%

Average 10 Year Radial Growth: 1.2 inches

Aspect of Project Area: North

Average Slope: 35%

Soil Type: The parent material is volcanic ash over loess, which overlays residuum weathered from schist. This is a deep well-drained soil with an ashy silt loam texture.

Insect Activity: None evident

Disease Conditions: None evident

Habitat Type: THPL/CLUN

## FOREST RESOURCE DATA SHEET

Upper Fohl Creek PCT  
Project # 40-1040-112-10

1. Endowment: School of Science
2. Project Acreage: 68 Acres
3. Average Stand Age of Dominants: 21 Years
4. Average Stand Height: 29' for Dominants  
25' for Co-dominants
5. Average Stand DBH: 4.0" for Dominants  
1.9" Average for Total Stand
6. Total Trees/Acre: > 2' - 4,950 Trees/Acre
7. Percent Crop Trees > 6" DBH: 1%
8. Species Composition Before Treatment: DF (44%), GF (29%), C (20%), WL (4%),  
PP(2%), WP(1%)
9. Trees/Acre To Be Cut: 4,648 Trees/Acre
10. Trees/Acre To Be Left: 302 Trees/Acre
11. Average Radial Growth Past 10 Years: 1.2"
12. Aspect of Project Area: E-NW
13. Terrain: 0-50% Slope
14. Soil Type: Schist/Gneiss parent material with a deep ash cap (>14").
15. Insect Activity: Endemic
16. Disease Conditions: Small pockets of Armillaria Root Rot.
17. Habitat Type: THPL/CLUN

## FOREST RESOURCE DATA SHEET

Bear Basin Thinning  
40-1065-112-10

1. Endowment: School of Science
2. Project Acreage: 292 Acres
3. Average Stand Age of Dominants: 17 Years
4. Average Stand Height: 29' for Dominants  
25' for Co-dominants
5. Average Stand DBH: 4.5" for Dominants  
4.2" for Co-dominants  
1.6" Average for Total Stand
6. Total Trees/Acre: > 2' - 5,260 Trees/Acre  
< 2' - 2,317 Trees/Acre
7. Percent Crop Trees > 6" DBH: 1%
8. Species Composition Before Treatment: GF (52%), CE (30%), WP (1%), DF (16%), WL (1%)
9. Projected Composition After Treatment: GF (20%), CE (40%), WP (7%), DF (25%), WL (8%)
10. Trees/Acre To Be Cut: 4,958 Trees/Acre
11. Trees/Acre To Be Left: 302 Trees/Acre
12. Average Radial Growth Past 10 Years: 1.3"
13. Aspect of Project Area: N - NW
14. Terrain: 0-45% Slope
15. Soil Type: Volcanic Ash over Colluvium derived from Gneiss and/or Mica Schist
16. Insect Activity: None Observed
17. Disease Conditions: None Observed
18. Habitat Type: THPL/CLUN

## FOREST RESOURCE DATA SHEET

Teakean Thinning  
FIP# 41-137-112-10

1. Endowment: School of Science
2. Project Acreage: 85
3. Average Stand Age of Dominants: 20 years
4. Average Stand Height: 19 feet for dominants
5. Average Stand DBH: 4.0 inches for dominants
6. Total Trees/Acre: 1,922
7. Species Composition Before Treatment:  
CE(35%), GF(35%), DF(17%), WP(10%), PY (2%), WL(0.6%), ES(0.4%)
8. Trees/Acre to be Cut: 1,622
9. Trees/Acre to be Left: 300
10. Projected Species Composition Following Treatment: Composition  
CE(40%), GF(20%), DF(20%), WP(18%), WL(2%)
11. Percentage of Crop Trees 6" DBH and Larger: 2.6%
12. Average Radial Growth Past 10 Years: 1.5 inches
13. Aspect of Project Area: NW
14. Terrain: 26% slopes
15. Soil Type: Aldermand ashy loam & Dworshak-Brequito complex
16. Insect Activity: None Noted
17. Disease Conditions: Some blister rust
18. Habitat Type: THPL/CLUN (530)

## FOREST RESOURCE DATA SHEET

Fisher Creek Thinning  
FIP# 41-139-112-10

1. Endowment: State Hospital South
2. Project Acreage: 65
3. Average Stand Age of Dominants: 21 years
4. Average Stand Height: 22 feet for dominants
5. Average Stand DBH: 4.3 inches for dominants
6. Total Trees/Acre: 2,483
7. Species Composition Before Treatment:  
GF(65.6%), DF(29.5%), WP(4.2%), CE(0.7%)
8. Trees/Acre to be Cut: 2,183
9. Trees/Acre to be Left: 300
10. Projected Species Composition Following Treatment: Composition  
GF(44%), DF(43%), WP(10%), CE(3%)
11. Percentage of Crop Trees 6" DBH and Larger: 14%
12. Average Radial Growth Past 10 Years: 1.6 inches
13. Aspect of Project Area: NW, N
14. Terrain: 40% slopes
15. Soil Type: Campora gravelly ashy silt loam, Longpen ashy silt loam & Sly-Wilkins complex
16. Insect Activity: None Noted
17. Disease Conditions: None Noted
18. Habitat Type: THPL/CLUN (530)

## FOREST RESOURCE DATA SHEET

Eagle's Head Thinning - Unit 1  
Project No. 43-049-112-08

1. Endowment: Public Schools
2. Project Acreage: 15 Acres
3. Average Stand Age of Dominants: 32 Years
4. Average Stand Height: 29' for Dominants  
16' for Co-dominants
5. Average Stand DBH: 4.8" for Dominants  
3.1" for Co-dominants  
1.6" Average for Total Stand
6. Total Trees/Acre: > 1' - 3,086 Trees/Acre
7. Percent Crop Trees > 6" DBH: 23%
8. Species Composition Before Treatment:  
GF (62%), PP (0.6%), DF (19%), WL(8%), LPP( 3 %), ES( 7.4% )
9. Projected Composition After Treatment:  
GF (8%), PP (8%), DF 31%), WL(47%), LPP( 0% ), ES(6% )
10. Trees/Acre To Be Cut: 2,866 Trees/Acre
11. Trees/Acre To Be Left: 220 Trees/Acre
12. Average Radial Growth Past 10 Years: 0.35"
13. Aspect of Project Area: N, NE
14. Terrain: 0-25% Slope
15. Soil Type: Basalt derivative
16. Insect Activity: Endemic
17. Disease Conditions: Negligible
18. Habitat Type: ABGR/VAGL

## FOREST RESOURCE DATA SHEET

Eagle's Head Thinning - Unit 2  
43-049-112-08

1. Endowment: Public Schools
2. Project Acreage: 7 Acres
3. Average Stand Age of Dominants: 32 Years
4. Average Stand Height: 38' for Dominants  
29' for Co-dominants
5. Average Stand DBH: 5.5" for Dominants  
4.3" for Co-dominants  
1.9" Average for Total Stand
6. Total Trees/Acre: > 1' - 2,357 Trees/Acre
7. Percent Crop Trees > 6" DBH: 37%
8. Species Composition Before Treatment:  
GF (39%), PP(10 %), DF (44%), WL (5%), LPP (1.4%), ES (0.6%)
9. Projected Composition After Treatment:  
PP (44%), DF (37%), WL ( 19%)
10. Trees/Acre To Be Cut: 2,137 Trees/Acre
11. Trees/Acre To Be Left: 220 Trees/Acre
12. Average Radial Growth Past 10 Years: 0.75"
13. Aspect of Project Area: W, NW
14. Terrain: 0-30% Slope
15. Soil Type: Basalt Derivative
16. Insect Activity: Endemic
17. Disease Conditions: None Observed
18. Habitat Type: ABGR/VAGL



## FOREST RESOURCE DATA SHEET

Eagle's Head Thinning - Unit 3  
43-049-112-08

1. Endowment: Public Schools
2. Project Acreage: 14 Acres
3. Average Stand Age of Dominants: 31 Years
4. Average Stand Height: 37' for Dominants  
25' for Co-dominants
5. Average Stand DBH: 5.7" for Dominants  
4.7" for Co-dominants  
2.9" Average for Total Stand
6. Total Trees/Acre: > 1' - 1,422 Trees/Acre
7. Percent Crop Trees > 6" DBH: 32%
8. Species Composition Before Treatment:  
GF (43%), PP(23%), DF (19%), WL (13%), LPP (2%)
9. Projected Composition After Treatment:  
PP (53%), DF (12%), WL (35%)
10. Trees/Acre To Be Cut: 1,202 Trees/Acre
11. Trees/Acre To Be Left: 220 Trees/Acre
12. Average Radial Growth Past 10 Years: 0.75"
13. Aspect of Project Area: W, NW
14. Terrain: 0-5% Slope
15. Soil Type: Basalt Derivative
16. Insect Activity: Endemic
17. Disease Conditions: None Observed
18. Habitat Type: ABGR/VAGL

## FOREST RESOURCE DATA SHEET

Project No. 43-057-112-10  
Madden Corral Thinning

1. Endowment: Public Schools
2. Project Acreage: 40 Acres
3. Average Stand Age of Dominants: 22 Years
4. Average Stand Height: 25' for Dominants  
20' for Co-dominants
5. Average Stand DBH: 6.8" for Dominants  
3.6" for Co-dominants  
3.1" Average for Total Stand
6. Total Trees/Acre: > 1' - 1,127 Trees/Acre
7. Percent Crop Trees > 6" DBH: 13%
8. Species Composition Before Treatment:  
LPP(95%), GF (3%), WL(2%)
9. Projected Composition After Treatment:  
LPP (90%), WL (5%), DF (4%), ES(1% )
10. Trees/Acre To Be Cut: 877 Trees/Acre
11. Trees/Acre To Be Left: 250 Trees/Acre
12. Average Radial Growth Past 10 Years: 0.35"
13. Aspect of Project Area: N, NW
14. Terrain: 0-10% Slope
15. Soil Type: Basalt derivative
16. Insect Activity: Endemic
17. Disease Conditions: Negligible
18. Habitat Type: ABGR/VAGL

## FOREST RESOURCE DATA

**PROJECT NAME:** Pole Creek CTR

**PROJECT NUMBER:** 50-343-132-10

**ENDOWMENT:** Public Schools- 100%

**PROJECT ACRES:** 108

**AREA HISTORY:** This project was part of the Hanson Hat Trick timber sale (TS-50-3498). This particular harvest unit utilized a feller buncher to remove the overstory. Using a feller buncher allowed the operator to minimize residual slash within the unit and protect the sub-merchantable trees. Slash treatment included burning roadside and landing slash as well as jackpot burning within the unit. Work was completed in the fall of 2008. The understory is well stocked with Douglas-fir and ponderosa pine but the pine is heavily infected with mistletoe. The objective of the project is to reduce the amount of mistletoe and overall trees per acre to reduce moisture stress and maximize growth.

**FOREST RESOURCE DATA:** Unit 1

1. Trees/Acre  
Current: 817  
Cut: 637  
Leave: 180
2. Average d.b.h. (sub-merchantable)  
Cut: 2.0"  
Leave: 3.0"
3. Average Sub-merchantable Height:  
Cut: 10'  
Leave: 15'
4. Species Composition: PP (93%), DF (7%)
5. Slope: 0-19%, Average 10%
6. Aspect: Northeast
7. Elevation: 3,400-3760
8. Habitat Types: PSME/PHMA-PIPO phase
9. Disease and Insect Activity: The potential for ips beetle damage is high. Heavy levels of mistletoe can be found in ponderosa pine.
10. Hazard Plan: All roads within and adjacent to the thinning units will be kept free of thinning slash. Any felled material protruding over cut and fill banks or onto road rights-of-way requires removal. All material less than three (3) inches in diameter will be cut so that it does not extend more than twenty (20) inches of the mean height above the ground. Furthermore, all boles greater than three (3) inches in diameter intersecting another bole will be completely severed.

## FOREST RESOURCE DATA

PROJECT NAME: Yockwah PCT

PROJECT NUMBER: 50-353-112-10

ENDOWMENT: SS - 100%

PROJECT ACRES: 274

AREA HISTORY: The project area was burned by wildfire in the summer of 1994. The area was planted in the spring of 1996 at a 10' x 10' (436 TPA) spacing with WL, PP, LP and DF.

### FOREST RESOURCE DATA:

#### Units 1 and 2

1. Trees/Acre  
Current: 561  
Cut: 367  
Leave: 194
2. Average d.b.h.  
Cut: 1.8"  
Leave: 2.6"
3. Average Submerchantable Height:  
8.6'
4. Species Composition: LP(51%), DF(14%), WL(14%), GF(8%),  
ES(8%), PP(3%), AF(2%)
5. Slope: 10-30%
6. Aspect: West
7. Elevation: 5800'-6000'
8. Habitat Types: ABGR/VAGL
9. Disease and Insect Activity: Western gall rust, dwarf mistletoe, wooly adelgid.
10. Hazard Plan: All roads within and adjacent to the thinning units will be kept free of thinning slash. Any felled material protruding over cut banks onto road rights-of-way requires removal.

PROJECT SUPPLEMENT  
PROJECT NUMBER 50-355-132-10  
ERL Cull Tree Removal  
Forest Resource Data

This is not primarily a plantation or anything like one. The area was logged in the 1960's and again in 2000. There is an overstory left. The trees to be removed are mostly natural regen from the 1960's cut. They are unevenly distributed. Logging slash remaining on the ground should not be an issue. There are several very small ponderosa pine plantations within the project area that will be thinned along with the rest.

The following stand data applies to the understory of this two-storied stand unless otherwise specified.

Average stand age: Crop trees to be released average 34 years.  
Overstory trees are mostly in the 50-100 year range.

Trees per acre:	total (<8" dbh)	235
	cut	195
	leave	40
	living culls (>8" dbh)	4
	overstory (>8" dbh)	20-25

Average dbh:	cut	1.9"
	leave	3.2"
	living cull (>8" dbh)	15"

Average height	cut	12'
	leave	20'
	living cull (>8" dbh)	55'

Cut species composition: GF 54%, DF 27%, LP 10%, PP 8%, other 1%

Slope: 0-46%, 30% average

Aspect: All aspects are present, land faces generally east.

Elevation: 5700' – 6570'